

REMARKS

The Examiner is thanked for the thorough examination of this application and the indication that claims 1-9 contain allowable subject matter. Applicant has amended the specification to address and accommodate the objections set forth in the Office Action. Applicant has also amended the claims to address and accommodate the 112, second paragraph rejections set forth in the Office Action. Specifically, claims 1 and 4-9 have been amended. Claim 2 remains in this application. Claim 3 has been canceled. Moreover, new claim 10 is added by this response. As all objectionable issues have been fully addressed and accommodated, Applicant submits that the application is in condition for allowance.

Applicant has amended claims 6, 7, and 9 to clearly define x and y used therein, and all the elements of amended claims 6, 7, and 9 are disclosed in page 4, lines 14-19, and page 5, lines 1-8 of the application. Claim 8 has been amended to clearly define x, y, and z used therein, and all the elements of amended claims 8 is disclosed in page 5, lines 9-20 of the application.

Applicant submits that no new matter has been added. Moreover, claims 1 and 3-5 have been amended to correct typographical errors by this amendment.

New claim 10 is added in this response. Claim 10 is a independent claim, and all the elements of new claim 10 are disclosed in page 3, lines 28-29, page 4, lines 1-13, and lines 22-29 of the application. Applicant submits that no new matter has been added by any amendments made herein.

Applicant respectively requests that a timely Notice of Allowance be issued in this case.

Response to Rejections Under 35 U.S.C. 112

Claims 1-9 were rejected under 35 U.S.C. 112, second paragraph. Applicant respectfully requests that these rejections now be withdrawn for at least the reasons discussed below.

Claim 1 has been amended to correct typographical errors by replacing "GaN base" with "GaN-based" as Examiner suggested.

The Examiner stated that there was no antecedent basis for "said third lattice" and "the method as claimed in claim 1" respectively in claim 1 and claims 3-5, and resulting in indefinite claims 2, 4, and 5 depended from claim 1. Applicant has amended claims 1 and 4-5 to accommodate this rejection.

Claims 6-9 have been amended to clearly define the allegedly indefinite elements. Moreover, claim 3 is canceled by Applicant and essentially replaced by new independent claim 10.

In view of the above, Applicant respectfully submits the requirements of § 112, second paragraph have been satisfied, and withdrawal of these rejections and allowance of the claims are respectfully requested. Doing so, places all claims in condition for allowance.

No fee is believed to be due in connection with this submission. If, however, any fee is deemed to be payable, you are hereby authorized to charge any such fee to deposit account 20-0778.

Respectfully submitted,



Daniel R. McClure
Daniel R. McClure; Reg. No. 38,962

THOMAS, KAYDEN, HORSTEMEYER & RISLEY, L.L.P.
Suite 1750
100 Galleria Parkway N.W.
Atlanta, Georgia 30339
(770) 933-9500